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Kind: **A** (See also: [JP03302380B2](#))Inventor: **CURTIS JOHN P;
RUSTOGI KEDAR N;
CRAWFORD JOHN C;
KEMP JAMES H;
MINTEL THOMAS E;
HEINZELMAN BERT D;
LAMOND DONALD R;
EDELMA LAURA H;****High
Resolution**Assignee: **COLGATE PALMOLIVE CO**
[News, Profiles, Stocks and More about this company](#)Published / Filed: **1993-09-07 / 1991-03-29**Application Number: **JP1991000067167**IPC Code: Advanced: **A46B 9/04; A61C 17/00;**
Core: **A46B 9/00;** more...
IPC-7: **A46B 9/04; A61C 17/00;**Priority Number: **1991-01-02 US1991000636802**Abstract: **PURPOSE:** To obtain a remarkably high tooth-brushing effect, by alternately mounting the first group of polygonal tufts of short staple length, and the second group of tufts of wide width and long staple length, on a head in an axial direction of the head, and slightly inclining the tufts at both edges of the second group of tufts to the laterals.**CONSTITUTION:** This toothbrush 10 is obtained by burying the first group of polygonal tufts 24 of the short staple length and the second group of wide tufts 25 and the third group of the almost circular tufts 36 into a head 12. The tufts 24 of the first group are separated from each other by the tufts 25 of the second group mounted therebetween, and the tufts 25 of the second group have a longitudinal axis extending in a transverse direction to the axis 16. The tufts at the both edges of the tufts 25 of the second group, are represented by 30, and the tufts 30 are inclined about 12 degree from a vertical line to laterals of the head 12 in the transverse direction or the lateral direction. The tufts 36 of the third group are mounted on a point part of the head 12, comprises two tufts separated in the transverse direction, and are inclined about 30 degree in the transverse direction to the lateral direction of the brush.

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